

Title (en)
METHOD FOR PRODUCING OF CONCRETE WITH VARIABLE DENSITY.

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BETON WECHSELNDER DICHTHE.

Title (fr)
PROCEDE PERMETTANT DE PRODUIRE DU BETON A DENSITE VARIABLE.

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EP 0380493 A1 19900808 (EN)

Application
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Abstract (en)
[origin: US5160540A] PCT No. PCT/SE88/00369 Sec. 371 Date Jan. 8, 1990 Sec. 102(e) Date Jan. 8, 1990 PCT Filed Jul. 5, 1988 PCT Pub. No. WO89/00153 PCT Pub. Date Jan. 12, 1989. A method for producing a concrete with a controllable density, which at the density of 1200 kg/m³ has a compression strength of at least 3.5 MPa and after that linearly increases to at least 19 MPa at 2,000 kg/m³, characterized in mixing a base concrete mixture mainly consisting of cement and water with a porosity mixture mainly consisting of cement, water and a foaming agent so that the foaming agent constitutes at least approximately 5% by volume of the porosity mixture, and that the resultant mixture of the base concrete mixture and the porosity mixture is moulded in a conventional manner.

Abstract (fr)
Procédé permettant de produire un béton à densité variable, notamment dans la plage allant de 800 à 2000 kg/m³, par mélange d'une masse de béton classique avec un agent de porosité, se composant d'eau, de ciment et d'un agent moussant. Le béton fini comprend un grand nombre de pores plus petits. On peut, si désiré, conserver la résistance élevée du béton, par exemple au moins 12 MPa, pour une densité de 1600 kg/m³.

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